

Bureau of Resource Protection - Watershed Management

## **BRP WM 09**

Approval of NPDES Stormwater Pollution Prevention Plans for Construction or Industrial General Permits (Discharging to Outstanding Resource Waters (ORWs) only)

## **Instructions and Supporting Materials**

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#### Introduction

DEP *Permit Applications*, as well as *Instructions & Support Materials*, are available for download from the DEP Web site at <u>mass.gov/dep</u> in two file formats: Microsoft Word™ and Adobe Acrobat PDF™. Either format allows documents to be printed.

*Instructions & Support Materials* files in Microsoft Word<sup>™</sup> format contain a series of documents that provide guidance on how to prepare a permit application. Although we recommend that you print out the entire package, you may choose to print specific documents by selecting the appropriate page numbers for printing.

*Permit Applications* in Microsoft Word<sup>™</sup> format must be downloaded separately. Users with Microsoft Word<sup>™</sup> 97 or later may complete these forms electronically.

Permitting packages in Adobe Acrobat PDF™ format combine *Permit Applications* and *Instructions & Support Materials* in a single document. Adobe Acrobat PDF™ files may only be viewed and printed without alteration. *Permit Applications* in this format may not be completed electronically.



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### **Permit Fact Sheet**

### 1. What is the purpose of this approval?

BRP WM 09 establishes an approval process for DEP review of stormwater discharges to Outstanding Resource Waters (ORWs) to protect the receiving surface water from degradation. It applies to cases where DEP has reviewed the information submitted in BRP WM 08B, Stormwater General Permit Notice of Intent for Discharges to Outstanding Resource Waters (ORWs) from Construction Sites or Industrial Sites, and determined that additional evaluation of proposed stormwater pollution control measures is necessary.

Stormwater discharges eligible for coverage under EPA's NPDES Stormwater Multi-Sector General Permit for Industrial Activities or the NPDES General Permit for Stormwater Discharges from Construction Activities must also comply with Massachusetts's statutory and regulatory provisions that require the protection of Outstanding Resource Waters, designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00.

Statutory and regulatory authority for coverage under this approval can be found at the Massachusetts Clean Waters Act, MGL Chapter 21, §§ 26-53, 314 CMR 3.00 and 314 CMR 4.00.

### 2. Who must apply?

Any person seeking coverage under EPA's NPDES Stormwater Multi-Sector General Permit for Industrial Activities or the NPDES General Permit for Stormwater Discharges from Construction Activities, for existing or proposed discharges to Outstanding Resource Waters.

Applicants that previously have filed a BRP WM 08B Notice of Intent with DEP and have been notified by the Department that approval of a stormwater pollution prevention plan is required.

### 3. What other requirements should be considered when applying for this approval?

- a. The applicant must have obtained the appropriate federal NPDES Notice of Intent forms from U.S. EPA for either the Stormwater Multi-Sector General Permit for Industrial Activities or the General Permit for Stormwater Discharges from Construction Activities.
- b. The applicant must prepare the appropriate EPA Notice of Intent for Stormwater Discharges and the stormwater pollution prevention plan required by the applicable EPA general permit.
- c. Permits of this type may require MEPA review. Please carefully examine the MEPA Regulations (301 CMR 11.00) to determine if your project exceeds the MEPA review thresholds. For more information, contact the MEPA Unit of the Executive Office of Environmental Affairs at 617-626-1020.
- d. In some circumstances, a DEP individual permit for discharges to surface waters may be required. Please refer to 314 CMR 3.00, Surface Water Discharge Permit Program for more information.
- e. For further information, call DEP's Division of Watershed Management at 508-792-7470.

### 4. What is the application fee?

The application fee for BRP WM 09 is \$930.



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**Permit Fact Sheet** 

Fee exemption applies to any Massachusetts city or town or municipal housing authority.

### 5. What is the Primary Permitting Location?

Department of Environmental Protection Division of Watershed Management 627 Main Street, 2<sup>nd</sup> Floor Worcester, MA 01608

There is no reserve copy location for the approval.

#### 6. What are the timelines?

As of July 1, 1992, the timelines are:

**AC** T1 T2\* n/a 60 60

### 7. What is the annual compliance fee?

There is no annual compliance fee for the approval.

### 8. How long is the approval in effect?

The approval, unless modified by DEP, continues in effect for the five-year duration of EPA's General Permit.

### 9. How can I avoid the most common mistakes made in applying for this approval?

- a. Provide the requested information on the BRP WM 09 form.
- b. Submit one copy of the DEP Transmittal Form, along with a copy of the WM 09 to:

Massachusetts Department of Environmental Protection Division of Watershed Management 627 Main Street, 2nd Floor Worcester, MA 01608

c. Submit the fee and one copy of the DEP Transmittal Form to:

DEP

P. O. Box 4062

Boston, MA 02211

Make check payable to the Commonwealth of Massachusetts.

d. Consult the Massachusetts Surface Water Quality Standards (314 CMR 4.00) or call the Division of Watershed Management at 508-792-7470, to determine if your stormwater discharge is to Outstanding Resource Water(s).

<sup>\*</sup>A second technical review will be conducted only if necessary.

There is no public comment review period for the approval.



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e. For information on ACECs, contact the Massachusetts Department of Environmental Management at 617-626-1250 or at the following website, http://www.state.ma.us/dem/programs/acec/acec1.htm.

### 10. What are the state regulations that apply to the approval? Where can I get copies?

These regulations include, but are not limited to:

- a. Surface Water Discharge Permit Program, 314 CMR 3.00.
- b. Surface Water Quality Standards, 314 CMR 4.00.
- c. Timely Action Schedule and Fee Provisions, 310 CMR 4.00.

Official versions of all state statutes and regulations are only available for purchase at:

State Bookstore (in State House) Room 116 Boston, MA 02133 617-727-2834 State Bookstore 436 Dwight Street Springfield, MA 01103 413-784-1376

Unofficial versions of the Regulations may be viewed on DEP's website at <a href="http://www.state.ma.us/dep/matrix.htm">http://www.state.ma.us/dep/matrix.htm</a>.



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# **Application Completeness Checklist**

	The applicant has submitted complete information for the BRP WM 09 approval application, including a copy of the stormwater pollution prevention plan (SWPPP), developed for each facility or site covered by EPA's NPDES Stormwater Multi-Sector General Permit for Industrial Activities or the NPDES General Permit for Stormwater Discharges from Construction Activities.
	In addition to filing the appropriate BRP WM 09 approval application with the Massachusetts DEP, an applicant must contact U.S. EPA to obtain and prepare the appropriate federal NPDES Notice of Intent forms.
	The DEP Transmittal Form is completed
То	submit the package:
	Checklist items have been completed.
	Send one copy of the BRP WM 09 approval application along with one copy of the DEP Transmittal Form to:
	Massachusetts Department of Environmental Protection Division of Watershed Management 627 Main Street, 2nd Floor Worcester, Ma 01608
	Send fee of:
	\$930 for BRP WM 09 (if applicable), in the form of check or money order made payable to "Commonwealth of Massachusetts", along with one copy of the DEP Transmittal Form to:
	Massachusetts Department of Environmental Protection P.O. Box 4062 Boston, MA 02211
	Keep a copy of the transmittal form, check and BRP WM 09 approval package for your records.



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## **Guidance Document**

DEP offers the following information as guidance for developing the Stormwater Pollution Prevention Plan (SWPPP) for EPA's NPDES General Permit for Stormwater Discharges from Construction Activities. The Department instructs the applicant to follow EPA's specific guidelines and requirements for SWPPP development, as the instructions in the general permit are more inclusive.

Developing a Stormwater Pollution Prevention Plan (SWPPP) and identifying best management practices (BMPs) for construction activities are considered to be the most important requirements of EPA's NPDES General Permit for Stormwater Discharges from Construction Activities. Each plan must be tailored to the site-specific conditions, and designed with the goal of controlling the amount of pollutants in stormwater discharges from the site.

**Components of the Plan** - The permit requires that the SWPPP contain a site description, and a description of the measures and controls to prevent or minimize pollution of stormwater. The site description must include:

- A description of the nature of the construction activity, including the function of the project;
- A sequence of major construction activities that disturb soil over major portions of the site;
- An estimate of the total area of the site and of the area to be disturbed;
- Estimates of the site's runoff coefficient during and after construction;
- Any existing data describing the quality of stormwater discharge from the site;
- The name of the receiving water(s);
- Any information on the type of soils at the site;
- Information on endangered or threatened species and if they are in proximity to the permit area;
- A site map indicating drainage patterns and slopes after grading activities are complete; areas of soil
  disturbance; the outline of the area to be disturbed; locations of stabilization measures and controls; and,
  surface waters at the discharge points.

**Measures and Controls** - Measures and controls that will be used to prevent or minimize pollution of stormwater must include three different types of controls:

### • Erosion and Sediment Controls

- Stabilization (seeding, mulching, etc.) Disturbed areas must be stabilized within 14 days, or as soon
  as practicable, after construction activity has temporarily or permanently ceased on any portion of the
  site. Three exceptions are: when construction activities will resume within 21 days of previous
  construction activity; in semi-arid, arid areas or areas experiencing drought; and when stabilization
  measures were precluded by snow cover or frozen ground. In the last two exceptions, measures must
  be initiated as soon as practicable.
- Structural Controls The SWPPP must include a description of structures built to divert flows from exposed soils and store or limit runoff and the discharge of pollutants from exposed areas on the site. Sites with common drainage locations that serve 10 or more disturbed acres must install a sediment basin where it is attainable (where a basin is not attainable, sediment traps, silt fences or other equivalent measures must be installed). Drainage locations, which serve less than 10 disturbed acres, must install smaller sediment basins, or sediment traps or silt fences along the down slope and side slope perimeter.
- Stormwater Management Controls The permittee must consider installing measures (stormwater detention structures, infiltration measures, etc.) to control pollutants after construction is complete. Velocity dissipation devices must be installed in outfall channels to prevent erosive conditions.



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## **Guidance Document**

Other Controls - The plan must ensure that solid materials are not carried by stormwater into the receiving
waters. Measures must be taken to prevent construction vehicles from tracking soil off of the construction
site, and to reduce dust generation at the construction site. The operator must comply with state and/or
local sanitary sewer or septic system regulations and describe measures necessary to protect listed
endangered or threatened species or critical habitat.

**Inspection/Maintenance** - Operator personnel must inspect the construction site at least once every fourteen (14) days and within 24 hours of a rainfall of 0.5 inches or more. Areas with sites that have been stabilized or sites that are located in arid or semi-arid areas must be inspected once a month. The inspector must prepare a report documenting his/her findings on the conditions of the controls and stabilized areas and must retain the report with the SWPPP for up to three (3) years after the site has been finally stabilized.

**Deadline** - The Plan must be prepared prior to the submission of the Notice of Intent. The NOI must be postmarked two days before work can begin on the site. The construction project must comply with the provisions of the plan throughout the construction period. The plan is to be kept on site during the entire construction period.

**Submission** - A copy of the plan along with the signed Notice of Intent should be submitted to:

Massachusetts Department of Environmental Protection Division of Watershed Management 627 Main Street, 2nd Floor Worcester, Ma 01608

**Signature** - The plan must be signed by a responsible official such as the president, vice president, or general partner.

Additional References – EPA-Reissuance of General Permit for Stormwater Discharges From Construction Activities (Feb 17, 1998, Federal Register/Vol. 63, 7858), EPA - Stormwater Management for Construction Activities: Developing Pollution Prevention Plans and Best Management Practices (EPA 832-R-92-005, September 1992) on EPA's website: <a href="http://www.epa.gov/npdes/pubs/contents\_conguide.pdf">http://www.epa.gov/npdes/pubs/contents\_conguide.pdf</a>. Also, the Summary Guidance for the same, (October 1992) on EPA's website at <a href="http://www.epa.gov/npdes/pubs/owm0307.pdf">http://www.epa.gov/npdes/pubs/owm0307.pdf</a>.



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## **Guidance Document**

DEP offers the following information as guidance for developing the Stormwater Pollution Prevention Plan (SWPPP) for EPA's NPDES Stormwater Multi-Sector General Permit for Industrial Activities. The Department instructs the applicant to follow EPA's common and industry specific SWPPP requirements, as the instructions in the general permit are more inclusive.

Developing a Stormwater Pollution Prevention Plan (SWPPP) and identifying best management practices (BMPs) for industrial activities are considered to be the most important requirements of EPA's NPDES Stormwater Multi-Sector General Permit for Industrial Activities. Each plan must be tailored to the industrial facility's potential pollutant sources at the site and designed with the goal of preventing or controlling the discharge of pollutants in stormwater runoff.

**Pollution Prevention Team** - Each facility will select a Pollution Prevention Team from its staff and the Team will be responsible for developing and implementing the plan.

**Components of the Plan** - The permit requires that the SWPPP contain a description of potential pollutant sources associated with industrial activity at the facility, and a description of the measures and controls to prevent or minimize pollution of stormwater. The description of potential pollutant sources must include:

- A map of the facility showing location and receiving waters within one mile of the facility; directions of stormwater flow; locations of stormwater outfalls and the areas that drain to them;
- A description and location of industrial activities exposed to precipitation:
- A prediction of the pollutants which are likely to be present in the stormwater;
- A description of the likely source of pollutants from the site;
- An inventory of the materials which may be exposed to stormwater; and,
- The history of spills or leaks of toxic or hazardous materials for the past 3 years.

The measures and controls to prevent or minimize pollution of stormwater must include:

- A description of existing or planned best management practices (BMPs) selected for each area where industrial materials or activities are exposed to stormwater;
- Good housekeeping or upkeep of industrial areas exposed to stormwater:
- An inspection and maintenance program of stormwater controls and other facility equipment;
- Spill prevention and response procedures to minimize the potential for, and the impact of, spills;
- Testing all outfalls to insure there are no cross connections, only stormwater discharges; and,
- Training of employees on pollution prevention measures and controls, and record keeping.

The permit also requires that facilities:

- Identify areas with a high potential for erosion and the stabilization measures or structural controls to be used to limit erosion in these areas; and,
- Implement traditional stormwater management measures (oil/water separators, vegetative swales, detention ponds, etc.) where they are appropriate for the site.

**Inspection/Site Compliance Evaluation** - Facility personnel must inspect the plant equipment and industrial areas on a regular basis. At least once every year, a more thorough site compliance evaluation must be performed by facility personnel to:

- Look for evidence of pollutants entering the drainage system;
- Evaluate the performance of pollution prevention measures;
- Identify areas where the Plan should be revised to reduce the discharge of pollutants; and,



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## **Guidance Document**

Document both the routine inspections and the annual site compliance evaluation in a report.

**Consistency** - The Plan can incorporate other plans which a facility may have already prepared for other permits, including Spill Prevention Control and Countermeasure (SPCC) Plans, or Best Management Practices (BMP) Programs.

**Signature** - The Plan must be signed by a responsible corporate official such as the president, vice president or general partner.

**Submission** - A copy of the Plan should be submitted to:

Massachusetts Department of Environmental Protection Division of Watershed Management 627 Main Street, 2nd Floor Worcester, Ma 01608

Additional References –EPA-Final Reissuance of National Pollutant Discharge Elimination System (NPDES) Stormwater Multi-Sector General Permit for Industrial Activities (Oct. 30,2000, Federal Register/Vol. 65, No. 210, 64746); EPA - Stormwater Management for Industrial Activities: Developing Pollution Prevention Plans and Best Management Practices (EPA 832-R-92-006, September 1992) on EPA's website at: <a href="http://www.epa.gov/npdes/pubs/contents">http://www.epa.gov/npdes/pubs/contents</a> indquide.pdf.

Also, the Summary Guidance for the same (EPA 833-R-92-002, October 1992) on EPA's website at: <a href="http://www.epa.gov/npdes/pubs/owm0236a.pdf">http://www.epa.gov/npdes/pubs/owm0236a.pdf</a>.



# **Addresses and Phone Numbers**

**DEP** Boston One Winter Street Boston, MA 02108 Telephone: (617) 292-5500 Fax: (617) 556-1049 TDD: (617) 574-6868

William X. Wall Experiment Station 37 Shattuck Street Lawrence, MA 01843 Fax: (978) 688-0352

Division of Environmental Analysis Telephone: (978) 682-5237 Air Quality Surveillance

Telephone: (978) 975-1138

**Division of Watershed Management** 

627 Main Street Worcester, MA 01608

Telephone: (508) 792-7470 Fax: (508) 791-4131

**DEP Western Region** 436 Dwight Street Suite 402 Springfield, MA 01103

Phone: (413) 784-1100 Fax: (413) 784-1149



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**DEP Central Region** 627 Main Street Worcester, MA 01608 Phone: (508) 792-7650 Fax: (508) 792-7621 TDD: (508) 767-2788



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**DEP Southeast Region** 20 Riverside Drive Lakeville, MA 02347 Phone: (508) 946-2700 Fax: (508) 947-6557 TDD: (508) 946-2795



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Tisbur Truro Wareham Wellfleet West Bridgewater Westport West Tisbury Whitman Wrentham Yarmouth

**DEP Northeast Region** One Winter Street Boston, MA 02108 Telephone: (617) 654-6500 Fax: (617) 556-1049 TDD: (617) 574-6868



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Transmittal	Number

Facility ID# (if known)

## A. Instructions

Submit the following information:

- 1. A copy of the stormwater pollution prevention plan (SWPPP), developed for each facility or site covered by EPA's NPDES Stormwater Multi-Sector General Permit for Industrial Activities or the NPDES General Permit for Stormwater Discharges from Construction Activities. A SWPPP must be developed in order for stormwater discharges from industrial or construction activities to be authorized under either NPDES general permit listed above.
- A signed copy of the Notice of Intent Form that will be submitted to EPA for coverage under either EPA's NPDES Stormwater Multi-Sector General Permit for Industrial Activities or the NPDES General Permit for Stormwater Discharges from Construction Activities.

# **B.** Applicant Information

١.	Applicant Name				
	Street Address				
	City	State	Zip		
	Telephone	Email			
	Contact Person:	Telephone			
	Authorized Agent				
	Name				
	Street Address				
	City	State	Zip		
	Telephone	Email			
	Project Location				
	Name				
	Street/PO Box				
	City	State	Zip		
	Name of Receiving Water(s)				

Important: When filling out

forms on the computer, use only the tab key to move your cursor - do not use the return key.



